

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("7,042,170").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 14:41
L2	1	("6,181,086").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 14:59
L13	1	("5914569").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 15:46
L14	1	("7042170").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 15:48
L15	1	("6770740").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 15:54
L17	964	l16 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/27 15:57
L18	1	("6770790").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 15:58
L19	1	("6720740").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 15:58
L20	1	("7042170").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 16:01
L21	0	("US-5945787-\$.DID.ORUS-4358716-\$.DID.ORUS-6453217-\$.DID.ORUS-4388563-\$.DID.ORUS-5962989-\$.DID.ORUS-4488088-\$.DID.ORUS-20020153852-\$.DID.ORUS-1331018-\$.DID.").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 16:13
L22	7	US-5945787-\$.DID. OR US-4358716-\$.DID. OR US-6453217-\$.DID. OR US-4388563-\$.DID. OR US-5962989-\$.DID. OR US-4488088-\$.DID. OR US-20020153852-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT	OR	ON	2010/12/27 16:13

S1	1256	315/246,291,307.ccls. and (flourscent and puls\$3 or \$4periodic\$4)	US-PGPUB; USPAT	OR	ON	2010/11/29 16:45
S2	973	S1 and puls\$3	US-PGPUB; USPAT	OR	ON	2010/11/29 16:45
S3	7	S2 and non adj periodic	US-PGPUB; USPAT	OR	ON	2010/11/29 16:53
S4	418	S2 and ballast	US-PGPUB; USPAT	OR	ON	2010/11/29 16:57
S5	210	S4 and variable	US-PGPUB; USPAT	OR	ON	2010/11/29 17:01
S6	149	S5 not led	US-PGPUB; USPAT	OR	ON	2010/11/29 17:02
S7	0	S6 and @pd<"2005"	US-PGPUB; USPAT	OR	ON	2010/11/29 17:03
S8	108	S6 and @py<"2005"	US-PGPUB; USPAT	OR	ON	2010/11/29 17:06
S9	41	S8 and resonance	US-PGPUB; USPAT	OR	ON	2010/11/29 17:09
S10	1520	315/246,291,307,299,312,324,360.ccls. and (flourscent and ballast and puls\$3 or \$4periodic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:17
S11	0	"315.dig.5"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:18
S12	1140	(315/dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/11/30 07:19

S13	1520	(315/246,291,307,299,312,324,360.ccls. and (flourscent and ballast and puls\$3 or \$4periodic\$4)) or (S10 and (flourscent and ballast and puls\$3 or \$4periodic\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:20
S14	1520	(S10 and (flourscent and ballast and puls\$3 or \$4periodic\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:20
S15	1003	S13 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:22
S16	0	S15 and algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:22
S17	58	S15 and algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:22
S18	328	S15 not dc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:27

S19	2	S18 and non adj periodic\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:27
S20	2	S18 and "non periodic"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:29
S21	195	S18 and pulse\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:30
S22	0	S21 and resonant	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:32
S23	153	S21 and @py<"2006"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/30 07:49
S24	8060	(315/246,291,307,299,312,324,360315/dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/11/30 10:58
S25	9	US-5945787-\$.DID. OR US-4358716-\$.DID. OR US-6453217-\$.DID. OR US-4388563-\$.DID. OR US-5962989-\$.DID. OR US-4488088-\$.DID. OR US-20020153852-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 16:48

S26	8615	(315/246,291,299,307,312,324,360,dig5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/03 09:56
S27	0	(315/dig5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/03 09:57
S28	1140	(315/dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/03 10:10
S29	9367	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/03 10:10
S30	0	("l4andflourscent").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/03 10:21
S31	0	S29 and flourscent	US-PGPUB; USPAT	OR	ON	2010/12/03 10:22
S32	3513	S29 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/03 10:22
S33	2138	S32 and puls\$5	US-PGPUB; USPAT	OR	ON	2010/12/03 10:36
S34	3	S33 and non near periodic\$3	US-PGPUB; USPAT	OR	ON	2010/12/03 10:37
S35	969	S33 and variable	US-PGPUB; USPAT	OR	ON	2010/12/03 10:38
S36	272	S35 and resonance	US-PGPUB; USPAT	OR	ON	2010/12/03 10:39
S37	181	S36 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/03 10:39
S38	160	S37 not led	US-PGPUB; USPAT	OR	ON	2010/12/03 10:49
S39	123	S36 and efficient	US-PGPUB; USPAT	OR	ON	2010/12/03 11:23
S40	91	S39 not led	US-PGPUB; USPAT	OR	ON	2010/12/03 11:23
S41	9367	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/06 09:34

S42	3513	S41 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/06 09:34
S43	2138	S42 and puls\$5	US-PGPUB; USPAT	OR	ON	2010/12/06 09:34
S44	0	S43 and non near sinusiodal	US-PGPUB; USPAT	OR	ON	2010/12/06 09:34
S45	0	S43 and non near sinusiodal	US-PGPUB; USPAT	OR	ON	2010/12/06 09:35
S46	20	S43 and "non-sinusoidal"	US-PGPUB; USPAT	OR	ON	2010/12/06 09:36
S47	0	("62625424902939").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/07 07:24
S48	1	("6262542").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/07 07:24
S49	1	("4902939").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/07 07:25
S50	9376	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/07 07:35
S51	3518	S50 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/07 07:35
S52	3	S51 and short near cut	US-PGPUB; USPAT	OR	ON	2010/12/07 07:35
S53	1184	S51 and filaments	US-PGPUB; USPAT	OR	ON	2010/12/07 07:36
S54	12	S51 and short near filaments	US-PGPUB; USPAT	OR	ON	2010/12/07 07:37
S55	9376	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/07 12:34
S56	3518	S55 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/07 12:34
S57	12	S56 and short\$1 near filament\$1	US-PGPUB; USPAT	OR	ON	2010/12/07 12:34

S58	1184	S56 and filament\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:34
S59	12	S56 and short\$1 near filament\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:35
S60	428	S58 and efficient	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:35
S61	758	S58 and efficien\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:36
S62	0	S61 and filament near bypass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:36
S63	584	S61 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:38

S64	7	S63 and coupling\$2 near filament\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:40
S65	237	S63 and coupling\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:42
S66	85	S63 and filament\$2 near current	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:43
S67	11	S66 not dc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 12:44
S68	21	S65 and "filament current"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 14:05
S69	0	S66 and "fillament current"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 14:24



S70	88	S56 and "filament current"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 14:24
S71	26	("5444333").URPN.	USPAT	OR	ON	2010/12/07 16:36
S72	320	(315/326).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/08 08:37
S73	0	("s29andfluorescent").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 08:42
S74	9376	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/08 08:42
S75	3518	S74 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/08 08:42
S76	1010	S75 and (no\$1 near periodic\$2 or pwm or pulse adj width adj modulation)	US-PGPUB; USPAT	OR	ON	2010/12/08 08:44
S77	608	S76 not led	US-PGPUB; USPAT	OR	ON	2010/12/08 08:44
S78	48	S77 and (micro adj controller or algorithm)	US-PGPUB; USPAT	OR	ON	2010/12/08 08:45
S79	255	S77 and square	US-PGPUB; USPAT	OR	ON	2010/12/08 08:47
S80	32	S78 and S79	US-PGPUB; USPAT	OR	ON	2010/12/08 08:48
S81	0	S80 and "non-sinusoidal"	US-PGPUB; USPAT	OR	ON	2010/12/08 08:48
S82	0	S80 and "non-sinusoidal"	US-PGPUB; USPAT	OR	ON	2010/12/08 08:49
S83	295	S77 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/08 08:52
S84	90	S83 and efficient	US-PGPUB; USPAT	OR	ON	2010/12/08 08:55

S85	32	fluorescent and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:27
S86	15693	fluorescent and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:27
S87	6687	S86 and (\$4periodic\$4 or "non sinusoidal" or pwm or Pulse width modulat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:29
S88	1080	S87 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:29
S89	874	S88 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:30
S90	43	S89 and (current adj sampling or current adj measurement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:30

S91	53	S89 and (current adj sampl\$3 or current adj measurement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 09:31
S92	13	("5331258"   "5353001"   "6020691"   "6107851"   "6226190"   "6297623"   "6414471"   "6456475"   "6597587"   "6608471"   "6657400"   "6747443"   "6762645").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/08 09:33
S93	0	("7656096").URPN.	USPAT	OR	ON	2010/12/08 09:35
S94	0	("7656096").URPN.	USPAT	OR	ON	2010/12/08 09:35
S95	0	("7656096").URPN.	USPAT	OR	ON	2010/12/08 09:36
S96	0	("7656096").URPN.	USPAT	OR	ON	2010/12/08 09:36
S97	13	("5331258"   "5353001"   "6020691"   "6107851"   "6226190"   "6297623"   "6414471"   "6456475"   "6597587"   "6608471"   "6657400"   "6747443"   "6762645").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/08 09:36
S98	12	("20020140371"   "20040217715"   "20040263093"   "20050047176"   "20060126365"   "5440324"   "5811942"   "6002213"   "6094016"   "6583568"   "6956336"   "7009348").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/08 09:39
S99	107	S89 and microprocessor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 10:03

S100	1451	S74 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 11:27
S101	1280	S100 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 11:27
S102	2	S101 and (non adj periodic\$3 or non adj sinusiodal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 11:29
S103	1	("6720740").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 12:47
S104	0	("s50andfluorescent").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/12/08 14:27
S105	2103	S75 and puls\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:28

S106	543	S105 and \$4periodic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:28
S107	527	S106 and time\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:29
S108	169	S107 and (algorithm or microprocessor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:30
S109	86	S108 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:30
S110	37	S109 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:30
S111	37	S110 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:31

S112	29	S110 and efficien\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:31
S113	18	S112 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:32
S114	331	S107 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:45
S115	215	S114 and efficien\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:45
S116	42	S115 and (microprocessor or algorithm or microcontroller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:46
S117	2	S105 and (non adj periodic\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:51

S118	1	S105 and non-periodic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:51
S119	0	S105 and non-periodical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:51
S120	2062	S105 and pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:52
S121	175	S105 and (dead near time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:52
S122	153	S121 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:52
S123	85	S122 and variable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:52

S124	54	S123 and efficienc\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 14:53
S125	2	S101 and (non near periodic\$3 or non near sinusiodal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:00
S126	1280	S101 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:00
S127	1280	S126 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:00
S128	821	S127 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:00
S129	540	S128 and efficien\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:01



S130	1	S129 and "non periodic"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:02
S131	0	S129 and "non-periodic"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:02
S132	0	S129 and ("not" near periodic\$3 or sinusiodal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:03
S133	392	S129 and (periodic\$3 or puls\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:04
S134	197	S133 and variable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:04
S135	196	S134 and operat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:05

S136	1	("7525791").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 15:27
S137	0	(2008/0158781).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/08 15:28
S138	1	("20080158781").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 15:28
S139	0	("jp.4119624").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 15:29
S140	0	(04/119624).APP.	JPO	OR	OFF	2010/12/08 15:29
S141	118	S135 and square	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:34
S142	65410	S141 and pwm or "pulse width modulation"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:34
S143	42	S141 and (pwm or "pulse width modulation")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:35
S144	76	S141 not (pwm or "pulse width modulation")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/08 15:39
S145	91	("5677602").URPN.	USPAT	OR	ON	2010/12/08 15:42

S146	1418	S75 and pulse	USPAT	OR	ON	2010/12/08 15:56
S147	0	S146 and efficien\$2	USPAT	OR	ON	2010/12/08 15:56
S148	832	S146 and efficien\$2	USPAT	OR	ON	2010/12/08 15:57
S149	374	S148 and square	USPAT	OR	ON	2010/12/08 15:57
S150	91	S149 and (microcontroller or microprocessor ro algorithm)	USPAT	OR	ON	2010/12/08 15:57
S151	39	S150 not led	USPAT	OR	ON	2010/12/08 15:58
S152	30	S151 and ballast	USPAT	OR	ON	2010/12/08 15:58
S153	9376	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/08 16:57
S154	3518	S153 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/08 16:57
S155	2141	S154 and puls\$5	US-PGPUB; USPAT	OR	ON	2010/12/08 16:57
S156	2	S155 and (non adj periodic\$3)	US-PGPUB; USPAT	OR	ON	2010/12/08 16:58
S157	972	S155 and variable	US-PGPUB; USPAT	OR	ON	2010/12/08 16:58
S158	631	S157 not led	US-PGPUB; USPAT	OR	ON	2010/12/08 16:59
S159	439	S158 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/08 16:59
S160	291	S159 not dimmer	US-PGPUB; USPAT	OR	ON	2010/12/08 17:00
S161	120	S160 and efficient	US-PGPUB; USPAT	OR	ON	2010/12/08 17:01

S162	204	S160 and (efficient or efficiency)	US-PGPUB; USPAT	OR	ON	2010/12/08 17:01
S163	112	S162 and square	US-PGPUB; USPAT	OR	ON	2010/12/08 17:12
S164	1	("6453217").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/08 17:23
S165	9388	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/09 07:22
S166	3521	S165 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/09 07:22
S167	3275	S166 and operat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:22
S168	2058	S167 and puls\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:22
S169	345	S168 and \$4periodic\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:22
S170	1918	S168 and (\$4periodic\$3 or time\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:23

S171	209	S169 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:23
S172	137	S171 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 07:23
S173	1351	S170 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 08:32
S174	910	S173 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 08:32
S175	0	S174 and swuare	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 08:32
S176	407	S174 and square	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 08:32

S177	15	S174 and (non adj periodic\$3 or non adj sinusoidal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/09 08:34
S178	0	("5402043,6157142").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 09:01
S179	1	("5402043").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 09:01
S180	1	("6157142").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 09:01
S181	1	("5444333").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 09:19
S182	29	S165 and remote\$2 near central\$4	US-PGPUB; USPAT	OR	ON	2010/12/09 10:42
S183	16	S182 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/09 10:43
S184	3070	S165 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/09 10:46
S185	1132	S184 and (monitor\$3 or communicat\$4)	US-PGPUB; USPAT	OR	ON	2010/12/09 10:47
S186	155	S185 and (wireless)	US-PGPUB; USPAT	OR	ON	2010/12/09 10:47
S187	63	S186 not led	US-PGPUB; USPAT	OR	ON	2010/12/09 10:48
S188	23	S187 and fail\$3	US-PGPUB; USPAT	OR	ON	2010/12/09 10:51
S189	10	S186 and ((microprocessor or microcontroller) near ballast)	US-PGPUB; USPAT	OR	ON	2010/12/09 10:59
S190	5	("4415839"   "5910709"   "5910712"   "6181086"   "6667585").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/09 11:04
S191	1	("5444333").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 11:28

S192	1	("20040046513").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 11:29
S193	1	("20050253535").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 11:30
S194	1	("20030230990").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 11:30
S195	1	("5402043").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 11:31
S196	1553353	S166 and rapid start	US-PGPUB; USPAT	OR	ON	2010/12/09 11:34
S197	260	S166 and rapid adj start	US-PGPUB; USPAT	OR	ON	2010/12/09 11:34
S198	0	S197 and capacitor	US-PGPUB; USPAT	OR	ON	2010/12/09 11:34
S199	242	S197 and capacitor	US-PGPUB; USPAT	OR	ON	2010/12/09 11:34
S200	6	S199 and (minimiz\$3 near current)	US-PGPUB; USPAT	OR	ON	2010/12/09 11:34
S201	0	S199 and temperory	US-PGPUB; USPAT	OR	ON	2010/12/09 11:43
S202	7	S199 and temporary	US-PGPUB; USPAT	OR	ON	2010/12/09 11:43
S203	1	("6157142").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 15:09
S204	0	("fluorsecet").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/12/09 15:13
S205	63	fluorsecet	US-PGPUB; USPAT	OR	ON	2010/12/09 15:14
S206	312252	fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/09 15:14

S207	9988	S206 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/09 15:15
S208	1183	S207 and \$4periodic\$2	US-PGPUB; USPAT	OR	ON	2010/12/09 15:15
S209	854	S208 not led	US-PGPUB; USPAT	OR	ON	2010/12/09 15:16
S210	1	("0000315").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 15:17
S211	0	"315.cls"	US-PGPUB; USPAT	OR	ON	2010/12/09 15:17
S212	61024	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/09 15:18
S213	0	("I10andI7").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 15:18
S214	0	("I10andI7").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/09 15:18
S215	296	S212 and S209	US-PGPUB; USPAT	OR	ON	2010/12/09 15:19
S216	275	S215 and (microcontroller or microprocessor or control)	US-PGPUB; USPAT	OR	ON	2010/12/09 15:39
S217	312252	fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/13 07:28
S218	9988	S217 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/13 07:28
S219	1183	S218 and \$4periodic\$2	US-PGPUB; USPAT	OR	ON	2010/12/13 07:28
S220	854	S219 not led	US-PGPUB; USPAT	OR	ON	2010/12/13 07:28
S221	58	S220 and (var\$4 near voltage)	US-PGPUB; USPAT	OR	ON	2010/12/13 07:28
S222	23	S220 and "variable voltage"	US-PGPUB; USPAT	OR	ON	2010/12/13 07:47



S223	1	S218 and (non adj periodic\$2 near voltage)	US-PGPUB; USPAT	OR	ON	2010/12/13 07:51
S224	51	S218 and \$4periodic\$2 near voltage	US-PGPUB; USPAT	OR	ON	2010/12/13 07:52
S225	21	fluorescent non periodic\$2	US-PGPUB; USPAT	WITH	ON	2010/12/13 08:31
S226	1	fluorescent (non adj periodic\$2)	US-PGPUB; USPAT	WITH	ON	2010/12/13 08:31
S227	2	fluorescent non periodic\$2 voltage	US-PGPUB; USPAT	WITH	ON	2010/12/13 08:34
S228	2	fluorescent non periodic voltage	US-PGPUB; USPAT	WITH	ON	2010/12/13 08:34
S229	1	("0000315").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 08:35
S230	0	"35.ccls"	US-PGPUB; USPAT	OR	ON	2010/12/13 08:36
S231	0	"315.ccls"	US-PGPUB; USPAT	OR	ON	2010/12/13 08:36
S232	0	"315.cls"	US-PGPUB; USPAT	OR	ON	2010/12/13 08:36
S233	61024	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/13 08:40
S234	0	("l8andl21").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 08:40
S235	296	S233 and S220	US-PGPUB; USPAT	OR	ON	2010/12/13 08:40
S236	0	("US-5945787-\$.DID.ORUS-4358716-\$.DID.ORUS-6453217-\$.DID.ORUS-4388563-\$.DID.ORUS-5962989-\$.DID.ORUS-4488088-\$.DID.ORUS-20020153852-\$.DID.ORUS-1331018-\$.DID.").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 11:07
S237	8	US-5945787-\$.DID. OR US-4358716-\$.DID. OR US-6453217-\$.DID. OR US-4388563-\$.DID. OR US-5962989-\$.DID. OR US-4488088-\$.DID. OR US-20020153852-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT	OR	ON	2010/12/13 11:08

S238	1	("4529913").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 11:21
S239	1	("5068577").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 11:23
S240	98	US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US-5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007-\$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US-4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600-\$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US-4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976-\$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US-4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281-\$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US-4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993-\$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US-4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888-\$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US-4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850-\$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US-5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411-\$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US-4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507-\$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US-4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963-\$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US-3659147-\$.DID. OR US-5001386-\$.DID. OR US-3896336-\$.DID. OR US-5019959-\$.DID. OR US-3882354-\$.DID. OR US-5023521-\$.DID. OR US-3824428-\$.DID. OR US-	US-PGPUB; USPAT	OR	ON	2010/12/13 11:31

		5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US-4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736-\$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID. OR US-5041763-\$.DID. OR US-4350929-\$.DID. OR US-5179323-\$.DID. OR US-4350933-\$.DID. OR US-5192896-\$.DID.				
S241	84	fluorsecent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:05
S242	497339	fluorescent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:06
S243	15701	S242 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:06
S244	1243	S243 and \$4periodic\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:06
S245	3	S244 and dead near zone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:07

S246	115	S244 and dead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:07
S247	58	S244 and (variable near voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:08
S248	32	S247 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 13:08
S249	0	("4857810").URPN.	USPAT	OR	ON	2010/12/13 13:19
S250	360	S244 and puls\$6	USPAT	OR	ON	2010/12/13 13:28
S251	0	S250 and vairable	USPAT	OR	ON	2010/12/13 13:28
S252	197	S250 and variable	USPAT	OR	ON	2010/12/13 13:29
S253	4	("20050212462"   "20060103330"   "5914572"   "7075254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/13 13:41
S254	20	("5055767"   "5272327"   "5652479"   "5754012"   "5818669"   "5844378"   "5896015"   "5923129"   "5965989"   "6114814"   "6215680").PN. OR ("6469454").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/13 14:23
S255	20	("5055767"   "5272327"   "5652479"   "5754012"   "5818669"   "5844378"   "5896015"   "5923129"   "5965989"   "6114814"   "6215680").PN. OR ("6469454").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/13 14:38

S256	1	("6400100").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 15:24
S257	9388	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/13 15:56
S258	3521	S257 and S242	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 15:56
S259	2143	S258 and puls\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 15:56
S260	972	S259 and variable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 15:57
S261	115	S260 and dead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 15:57
S262	92	S261 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/13 15:57

S263	46	("20020180380"   "20020181260"   "20030090913"   "4060751"   "4544863"   "4622496"   "4672300"   "5235254"   "5410221"   "5434477"   "5539281"   "5612594"   "5652479"   "5744915"   "5770925"   "5818172"   "5825133"   "5923129"   "5930121"   "6002210"   "6038149"   "6040662"   "6108215"   "6111370"   "6121733"   "6137240"   "6150772"   "6181084"   "6198234"   "6239558"   "6259615"   "6281636"   "6351080"   "6396722"   "6417631"   "6472827"   "6495972"   "6501234"   "6515881"   "6628093"   "6630797"   "6707264"   "6724602"   "6804129"   "6876157"   "6900600").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/13 16:10
S264	924	S260 and time\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/13 16:31
S265	1	("4,574,278").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/13 17:07
S266	2884	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time	US-PGPUB; USPAT	OR	ON	2010/12/13 17:29
S267	16	S266 and (non adj periodic\$2 or aperiodic\$2)	US-PGPUB; USPAT	OR	ON	2010/12/13 17:30
S268	431	S266 not (led or L E D)	US-PGPUB; USPAT	OR	ON	2010/12/13 17:34
S269	1783	S266 not led	US-PGPUB; USPAT	OR	ON	2010/12/13 17:34
S270	531	S269 and S257	US-PGPUB; USPAT	OR	ON	2010/12/13 17:34

S271	190	US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US-5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007-\$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US-4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600-\$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US-4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976-\$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US-4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281-\$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US-4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993-\$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US-4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888-\$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US-4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850-\$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US-5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411-\$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US-4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507-\$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US-4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963-\$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US-3659147-\$.DID. OR US-5001386-\$.DID. OR US-3896336-\$.DID. OR US-5019959-\$.DID. OR US-3882354-\$.DID. OR US-5023521-\$.DID. OR US-3824428-\$.DID. OR US-5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US-4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736-\$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 07:22
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		OR US-5041763-\$.DID. OR US-4350929-\$.DID. OR US-5179323-\$.DID. OR US-4350933-\$.DID. OR US-5192896-\$.DID.				
S272	190	US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US-5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007-\$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US-4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600-\$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US-4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976-\$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US-4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281-\$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US-4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993-\$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US-4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888-\$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US-4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850-\$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US-5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411-\$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US-4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507-\$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US-4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963-\$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US-3659147-\$.DID. OR US-5001386-\$.DID. OR US-3896336-\$.DID. OR US-5019959-\$.DID. OR US-3882354-\$.DID. OR US-5023521-\$.DID. OR US-3824428-\$.DID. OR US-5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 07:23



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S273	98	US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US-5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007-\$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US-4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600-\$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US-4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976-\$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US-4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281-\$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US-4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993-\$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US-4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888-\$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US-4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850-\$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US-5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411-\$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US-4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507-\$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US-4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963-\$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US-	US-PGPUB; USPAT	OR	ON	2010/12/14 07:24

		3659147-\$.DID. OR US-5001386-\$.DID. OR US-3896336-\$.DID. OR US-5019959-\$.DID. OR US-3882354-\$.DID. OR US-5023521-\$.DID. OR US-3824428-\$.DID. OR US-5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US-4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736-\$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID. OR US-5041763-\$.DID. OR US-4350929-\$.DID. OR US-5179323-\$.DID. OR US-4350933-\$.DID. OR US-5192896-\$.DID.				
S274	1	("4965492").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 07:40
S275	3081	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (Puls\$3 same voltage) and time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 09:00
S276	7	S275 and non adj periodic\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 09:01
S277	85	S275 and (variable near voltage)	US-PGPUB; USPAT	OR	ON	2010/12/14 10:12
S278	61045	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/14 10:13
S279	0	("I39andI40").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 10:13
S280	54	S277 and S278	US-PGPUB; USPAT	OR	ON	2010/12/14 10:13
S281	1	("4574278").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 10:52

S282	2886	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time	US-PGPUB; USPAT	OR	ON	2010/12/14 13:50
S283	878	S282 and efficient	US-PGPUB; USPAT	OR	ON	2010/12/14 13:50
S284	467	S283 not led	US-PGPUB; USPAT	OR	ON	2010/12/14 13:50
S285	24	("3681654"   "4012663"   "4101809"   "4234820"   "4682084"   "4914356"   "5027034"   "5030887"   "5381077").PN. OR ("5698952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 14:49
S286	3081	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (Puls\$3 same voltage) and time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 15:17
S287	2	S286 and (variable near dead)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 15:17
S288	71	S286 and ((variable or adjustable or changable or aperiodic\$2 or non adj periodic\$2) with dead)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 15:20
S289	128	S286 and ((variable or adjustable or changable or aperiodic\$2 or non adj periodic\$2) with voltage with pulse)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 15:26
S290	5	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and pwm and variable near voltage with pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:00
S291	16	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and variable near voltage with pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:03
S292	11	(CCFL or (fluorescent adj tube)) and variable near voltage with pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:07
S293	18973	(CCFL or (fluorescent adj tube))	US-PGPUB; USPAT	OR	ON	2010/12/14 16:09
S294	435	S293 and voltage adj pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:10

S295	122	S294 and (variable or adjustable, or fluctating) with (frequency or period)	US-PGPUB; USPAT	OR	ON	2010/12/14 16:11
S296	241	S294 and (variable or adjustable, or fluctuat\$4)	US-PGPUB; USPAT	OR	ON	2010/12/14 16:22
S297	187	S296 not kernahan	US-PGPUB; USPAT	OR	ON	2010/12/14 16:24
S298	1528	315/246,291,307,299,312,324,360.ccls. and (flourscent and ballast and puls\$3 or \$4periodic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 16:34
S299	1528	(315/246,291,307,299,312,324,360.ccls. and (flourscent and ballast and puls\$3 or \$4periodic\$4)) or (S298 and (flourscent and ballast and puls\$3 or \$4periodic\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 16:34
S300	1006	S299 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 16:34
S301	329	S300 not dc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 16:34
S302	2	S301 and non adj periodic\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/14 16:34

S303	1	S302 and voltage adj pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:34
S304	9399	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/14 16:34
S305	1152	S304 and voltage adj pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:34
S306	1152	S304 and voltage adj pulse	US-PGPUB; USPAT	OR	ON	2010/12/14 16:35
S307	6465	S306 and variable or aperiodic\$3	US-PGPUB; USPAT	OR	ON	2010/12/14 16:36
S308	453	S306 and (variable or aperiodic\$3)	US-PGPUB; USPAT	OR	ON	2010/12/14 16:36
S309	356	S308 not led	US-PGPUB; USPAT	OR	ON	2010/12/14 16:36
S310	356	S309 not kernahan	US-PGPUB; USPAT	OR	ON	2010/12/14 16:36
S311	0	("2010/0134766").URPN.	USPAT	OR	ON	2010/12/14 16:38
S312	0	("2010/0134766").URPN.	USPAT	OR	ON	2010/12/14 16:38
S313	6	("4484190"   "4521843"   "5569983"   "5691696"   "5739645"   "5949197").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 16:57
S314	11	("4645979"   "4719389"   "4742278"   "4933612").PN. OR ("5453668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 17:02
S315	1	("20080186257").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:06
S316	1	("5235254").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:18
S317	1	("7321200").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:20
S318	1	("6469454").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:21

S319	1	("5698952").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:22
S320	1	("4358716").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/14 17:24
S321	24	("4137484"   "5057747"   "5306987").PN. OR ("5684367").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 08:07
S322	24	("3681654"   "4012663"   "4101809"   "4234820"   "4682084"   "4914356"   "5027034"   "5030887"   "5381077").PN. OR ("5698952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 08:14
S323	84	fluorsecent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:25
S324	497582	fluorescent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:25
S325	5094	S324 and voltage adj pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:26
S326	1944	S325 and variable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:26

S327	1291	S326 not led not hid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:26
S328	856	S327 and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:27
S329	106	S328 and dead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:27
S330	9399	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/15 08:27
S331	89	S328 and S330	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:27
S332	5094	S324 and "voltage pulse"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:41

S333	193	S327 and dead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:41
S334	29	S333 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:41
S335	262	S326 and ballast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:46
S336	196	S335 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 08:46
S337	0	("2009/0091269").URPN.	USPAT	OR	ON	2010/12/15 08:52
S338	0	("2009/0091269").URPN.	USPAT	OR	ON	2010/12/15 08:52
S339	1	("4904903").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 08:52
S340	607	S332 and ballast	US-PGPUB; USPAT	OR	ON	2010/12/15 09:07
S341	218	S340 and ((variable or adjustable or aperiodic\$2) and voltage with level)	US-PGPUB; USPAT	OR	ON	2010/12/15 09:08
S342	155	S341 not led	US-PGPUB; USPAT	OR	ON	2010/12/15 09:08



S343	130	S342 not hid	US-PGPUB; USPAT	OR	ON	2010/12/15 09:09
S344	0	("2008/0205104").URPN.	USPAT	OR	ON	2010/12/15 09:11
S345	69	("3541421"   "3753071"   "3890537"   "4042856"   "4127795"   "4170747"   "4251752"   "4277728").PN. OR ("4415839").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 09:29
S346	522	("3541421"   "3753071"   "3890537"   "4042856"   "4127795"   "4170747"   "4251752"   "4277728"). PNI33" and "variable." OR ("4415839").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 09:39
S347	249	S340 and variable	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 09:39
S348	0	S340 and variable near voltage near level	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 09:40
S349	1	("20090091269").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 09:41
S350	1	("4277728").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 09:55
S351	0	S332 and variable near (frequency and width and level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:03
S352	0	S332 and variable near (frequency near width near level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:04

S353	0	S332 and ((vary or variable) near (frequency near width near level))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:05
S354	0	S332 and ((vary or variable) near (dead and level))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:06
S355	9	S332 and ((vary or variable) with (dead and level))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:06
S356	218	S332 and ((vary or variable) with ("voltage pulse"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:09
S357	31	S356 and S330	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 10:10
S358	5094	S324 and ("voltage pulse" or "voltage pulses")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:01

S359	2197	S325 and (measure or monitor near current)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:02
S360	4896043	S359 and voltage level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:03
S361	341	S359 and voltage adj level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:04
S362	223	S361 and variable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:04
S363	89	S362 not led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 11:04
S364	61045	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/15 11:12
S365	0	("I57andfluorescent").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 11:13
S366	8754	S364 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/15 11:13

S367	1070	S366 and ("voltage pulse" or pulsating near voltage)	US-PGPUB; USPAT	OR	ON	2010/12/15 11:14
S368	81	S367 and dead	US-PGPUB; USPAT	OR	ON	2010/12/15 11:14
S369	60	S368 not led	US-PGPUB; USPAT	OR	ON	2010/12/15 11:14
S370	0	("2009/0206767").URPN.	USPAT	OR	ON	2010/12/15 11:18
S371	311	S367 and variable	USPAT	OR	ON	2010/12/15 11:46
S372	260	S371 not led	USPAT	OR	ON	2010/12/15 11:46
S373	236	S372 not hid	USPAT	OR	ON	2010/12/15 11:46
S374	28	S367 and (amplitude near modulated)	USPAT	OR	ON	2010/12/15 12:01
S375	6	S358 and pam and pwm	USPAT	OR	ON	2010/12/15 12:05
S376	16	S330 and pam and pwm	USPAT	OR	ON	2010/12/15 14:00
S377	3	("5666279"   "5818709"   "7332871").PN. OR ("7619368").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:24
S378	0	pam and pwn and fluorescent	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:35
S379	328525	fluorescent	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:36
S380	184	S379 and pwm and pam	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:36
S381	173	S380 and pulse	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:36
S382	41	S381 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:37

S383	2	S379 and vam and pwm	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:41
S384	5588	S379 and amplitude and modulation and width	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:42
S385	901872	S384 and voltage pulse	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:42
S386	720	S384 and ("voltage pulse" or "voltage pulses")	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:43
S387	67	S386 and S330	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:43
S388	53	S387 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 14:43
S389	9399	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/15 15:31
S390	12	S389 and variable adj dead	US-PGPUB; USPAT	OR	ON	2010/12/15 15:31
S391	1	("5698952").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 15:45
S392	1	("4321200").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 15:46
S393	1	("7321200").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 15:46
S394	1	("6075326").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 15:47
S395	9399	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/15 16:08
S396	1152	S395 and "voltage pulse"	US-PGPUB; USPAT	OR	ON	2010/12/15 16:08
S397	107	S396 and dead	US-PGPUB; USPAT	OR	ON	2010/12/15 16:08
S398	88	S397 not led	US-PGPUB; USPAT	OR	ON	2010/12/15 16:08

S399	62	S398 not hid	US-PGPUB; USPAT	OR	ON	2010/12/15 16:09
S400	1	("6002213").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 16:20
S401	0	("l82andnonadjperiodic").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 16:38
S402	14	S389 and non adj periodic	US-PGPUB; USPAT	OR	ON	2010/12/15 16:40
S403	1	("4904903").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/15 16:59
S404	33	("3745411"   "3898006"   "3906302"   "4001633"   "4219760"   "4289993"   "4388563"   "4392087"   "4412156").PN. OR ("4904903").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 16:59
S405	33	("3745411"   "3898006"   "3906302"   "4001633"   "4219760"   "4289993"   "4388563"   "4392087"   "4412156").PN. OR ("4904903").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/15 16:59
S406	3487792	(controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:06
S407	23629	S406 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:07
S408	910	S407 and ("voltage pulse" or "voltage pulses")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:08
S409	61078	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/16 08:09
S410	493	S408 and S409	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:09
S411	378	S410 and (vary or variable)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:10
S412	318	S411 not lcd	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:10
S413	298	S411 not led	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 08:11

S414	8	("20020017897"   "20020158613"   "20030122605"   "20040085031"   "20040174122"   "3836797"   "5434479"   "7061189").PN. OR ("7420333").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 08:14
S415	40	S413 and dead	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 08:45
S416	3487792	(controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element))))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S417	23629	S416 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S418	910	S417 and ("voltage pulse" or "voltage pulses")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S419	61078	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/16 13:01
S420	493	S418 and S419	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S421	378	S420 and (vary or variable)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S422	298	S421 not led	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/16 13:01
S423	94	S422 and duty adj cycle	US-PGPUB; USPAT	OR	ON	2010/12/16 13:01
S424	1	S421 and non adj periodic	US-PGPUB; USPAT	OR	ON	2010/12/16 13:34
S425	0	S418 and non adj periodc	US-PGPUB; USPAT	OR	ON	2010/12/16 13:34
S426	3	S418 and non adj periodic	US-PGPUB; USPAT	OR	ON	2010/12/16 13:34
S427	42	S419 and non adj periodic	US-PGPUB; USPAT	OR	ON	2010/12/16 13:38
S428	3	("20050285544"   "6803730"   "7034800").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 13:46

S429	9	("4492896"   "5924784").PN. OR ("6963180").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 13:50
S430	4	S418 and ((non or adjustable or changable or vary or varing or variable) adj period)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:04
S431	19	("4346332"   "4370600"   "4682080"   "4704560").PN. OR ("4998045").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:08
S432	14	S417 and S419 and ((non or adjustable or changable or vary or varing or variable) adj period)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:23
S433	3022	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:29
S434	1902	S433 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:29
S435	1782	S434 not hid	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:29
S436	10502	fluorescent.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:32
S437	223	S435 and S436	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:32
S438	1	("5233273").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/16 14:46
S439	1	("6087785").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/16 14:52
S440	5	("5623187"   "5773937"   "5859505").PN. OR ("6087785").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/16 14:53
S441	0	(08/491872).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/20 14:04
S442	9	("4004175"   "4391901"   "5363019"   "5592052"   "5610477"   "6057635"   "6157145"   "6274986"   "6635991").PN. OR ("6894438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 14:39
S443	0	("4415839,6894438").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/20 15:40
S444	2	((("4415839") or ("6894438"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/12/20 15:40



S445	3	(("4415839") or ("6894438") or ("5698952")).PN.	US-PGPUB; USPAT	OR	OFF	2010/12/20 15:40
S446	9	("3541421"   "3753071"   "3890537"   "4042856"   "4127795"   "4170747"   "4251752"   "4277728").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 15:41
S447	9	("3541421"   "3753071"   "3890537"   "4042856"   "4127795"   "4170747"   "4251752"   "4277728").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 15:43
S448	60	("4415839").URPN.	USPAT	OR	ON	2010/12/20 15:43
S449	6	("3824428").URPN.	USPAT	OR	ON	2010/12/20 16:17
S450	3022	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 16:20
S451	1902	S450 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 16:20
S452	1782	S451 not hid	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 16:20
S453	4	S452 and pfm	USPAT	OR	ON	2010/12/20 16:20
S454	47	("3919656"   "5208205"   "5329200"   "5341061"   "5424935"   "5548189"   "5654605"   "5675484"   "5705877"   "5739621"   "5760619"   "5777425"   "5859489").PN. OR ("6016052").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 16:22
S455	18	("20020121865"   "20040021492"   "20040095117"   "3579133"   "5548189"   "5886477"   "5923542"   "6016052"   "6134133"   "6226196"   "6239558"   "6278625"   "6348755"   "6400096"   "6566821"   "6617757"   "6690121"   "6747421").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/20 16:28
S456	1	("6087785").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/20 16:39
S457	1	("4415839").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/20 16:58
S458	60	("4415839").URPN.	USPAT	OR	ON	2010/12/20 16:58

S459	9408	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/20 17:25
S460	3531	S459 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/20 17:25
S461	2151	S460 and puls\$5	US-PGPUB; USPAT	OR	ON	2010/12/20 17:25
S462	115	S461 and "electronic ballast" and microprocessor	US-PGPUB; USPAT	OR	ON	2010/12/20 17:25
S463	3025	(CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 07:32
S464	27	S463 and (var\$4 near (frequency and (width or dead or duty)))	US-PGPUB; USPAT	OR	ON	2010/12/21 07:32
S465	1904	S463 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 07:44
S466	42	S463 and pfm	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 07:56
S467	14	S466 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 07:56
S468	426	S463 and (random or non adj periodic\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:01
S469	170	S468 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:02
S470	12	("4321507"   "4422016"   "5105127"   "5453668"   "5982112").PN. OR ("6153981").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:10
S471	328	fluorescent and "non periodic"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:19
S472	170	S471 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:20
S473	170	S472 not hid	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:20
S474	151	S472 not bio	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:20

S475	123	S474 not drugs	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:20
S476	626761	S475 nto blood	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:21
S477	108	S475 not blood	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:21
S478	1904	S463 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:58
S479	432	S478 and measure	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:58
S480	385	S479 not hid	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:58
S481	359	S480 not tv	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 08:58
S482	469	S478 and (dimmer or dimming)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:00
S483	2267	"I21" and variable	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:00
S484	213	S482 and variable	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:00
S485	745	S463 not frequency	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:02
S486	443	S485 not led	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:02
S487	196	S486 not display	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:07
S488	195	S487 not tv	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 09:07
S489	9415	(315/246,291,299,307,312,324,360,dig.5). CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/21 11:25
S490	3533	S489 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/21 11:25

S491	186	S490 and (controller near power)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 11:25
S492	1	S491 and intergrated	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 11:25
S493	24	("20020158591"   "20020175640"   "5039921"   "5107184"   "5331253"   "5680015"   "5691605"   "5838116"   "5925990"   "6008593"   "6011360"   "6046551"   "6147463"   "6150773"   "6160361"   "6181086"   "6333605"   "6337544"   "6362575"   "6469454"   "6509699"   "6552498"   "6879114"   "6956336").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/21 11:30
S494	9415	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/21 13:52
S495	19	S494 and (short near filament)	US-PGPUB; USPAT	OR	ON	2010/12/21 13:52
S496	1	("4415839").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/21 13:58
S497	3489154	(controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11
S498	23643	S497 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11
S499	910	S498 and ("voltage pulse" or "voltage pulses")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11
S500	61097	("315").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/12/21 16:11
S501	493	S499 and S500	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11
S502	378	S501 and (vary or variable)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11
S503	38	S502 and algorithm	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:11

S504	27	S502 and (monitor near current)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:22
S505	0	S501 and (program\$3 near algorithm)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:50
S506	3	S501 and (program\$3 near algorithm)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:50
S507	0	S501 and (algorithm near (controller or processor))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 16:59
S508	1	S502 and (monitor near dead)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 17:01
S509	274	S501 and (controller or processor or microcontroller)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 17:07
S510	48	S509 and ((measure or monitor) near current)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/21 17:08
S518	9415	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/22 13:28
S519	3533	S518 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/22 13:28
S520	0	S519 and (filament near short) and efficien\$2	USPAT	OR	ON	2010/12/22 13:28
S521	6	S519 and (filament near short) and efficien\$2	USPAT	OR	ON	2010/12/22 13:28
S522	9415	(315/246,291,299,307,312,324,360,dig.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/12/22 13:44
S523	3533	S522 and fluorescent	US-PGPUB; USPAT	OR	ON	2010/12/22 13:44
S524	0	S523 and (starter near capacitor near temporary)	US-PGPUB; USPAT	OR	ON	2010/12/22 13:44
S525	12	S523 and (starter near capacitor)	US-PGPUB; USPAT	OR	ON	2010/12/22 13:44
S526	260	S523 and (rapid near start)	US-PGPUB; USPAT	OR	ON	2010/12/22 13:53

S527	32	S526 and "starting capacitor"	US-PGPUB; USPAT	OR	ON	2010/12/22 13:59
S528	0	S523 and ("starting capacitor" near (disconnect or remove))	US-PGPUB; USPAT	OR	ON	2010/12/22 14:20
S529	1	S523 and ("starting capacitor" near (disconnect or remove or short))	US-PGPUB; USPAT	OR	ON	2010/12/22 14:21
S530	13	("4868728"   "5075599"   "5187414"   "5367247"   "5382881"   "5500792"   "5510974"   "5546300"   "5552979").PN. OR ("5914569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 14:22
S531	0	S527 and (zero near current near switching)	US-PGPUB; USPAT	OR	ON	2010/12/22 14:44
S532	0	S530 and (minimize near current)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 14:48
S533	2	S530 and (decrease near current)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 14:49
S534	0	S522 and "zero current switching".	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 14:58
S535	45	S522 and "zero current switching"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 14:58
S536	31	"6181086"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:12
S537	1	("6181086").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/22 15:12
S538	1	("7042170").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/22 15:14
S539	33	("3697821"   "4733138"   "4950959"   "5030887"   "5315214"   "5381078").PN. OR ("6181086").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:15
S540	2	S519 and "remote monitoring"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:30
S541	0	S519 and (wireless near monitor)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:34
S542	0	S519 and (wireless near monitor\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:35

S543	6	("3697821"   "4733138"   "4950959"   "5030887"   "5315214"   "5381078").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:39
S544	4	("7042170").URPN.	USPAT	OR	ON	2010/12/22 15:45
S545	1	("7623042").URPN.	USPAT	OR	ON	2010/12/22 15:45
S546	43	("20040051467"   "4323820"   "4355309"   "4358717"   "4686380"   "4797599"   "5005211"   "5146153"   "5237264"   "5248919"   "5373453"   "5471063"   "5561351"   "5637930"   "5770926"   "5872429"   "5909087"   "5982103"   "6100653"   "6169377"   "6184622"   "6249516"   "6252358"   "6297724"   "6300727"   "6400280"   "6689050"   "6803728"   "6904385"   "6914395"   "6927546"   "6990394"   "7042170"   "7045968"   "7079808"   "7103511"   "7167777"   "7199530"   "7307389"   "7307542"   "7369060"   "7400226"   "7490957").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:46
S547	43	("20040051467"   "4323820"   "4355309"   "4358717"   "4686380"   "4797599"   "5005211"   "5146153"   "5237264"   "5248919"   "5373453"   "5471063"   "5561351"   "5637930"   "5770926"   "5872429"   "5909087"   "5982103"   "6100653"   "6169377"   "6184622"   "6249516"   "6252358"   "6297724"   "6300727"   "6400280"   "6689050"   "6803728"   "6904385"   "6914395"   "6927546"   "6990394"   "7042170"   "7045968"   "7079808"   "7103511"   "7167777"   "7199530"   "7307389"   "7307542"   "7369060"   "7400226"   "7490957").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:46
S548	27	("20010034754"   "20020078198"   "20020198978"   "20030020595"   "20030151909"   "20040002792"   "5109222"   "5572438"   "5822012"   "5880677"   "6175860"   "6405261"   "6548967"   "6636005"   "6671586"   "6681110"   "6694125").PN. OR ("6990394").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/22 15:56
S549	1	(08/632297).APP.	US-PGPUB; USPAT	OR	OFF	2010/12/22 16:04

S550	1	("6,617,805").PN.	US-PGPUB; USPAT	OR	OFF	2010/12/27 10:12
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